

IN THE CLAIMS

Amendments to the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A high-speed pattern storing method, which is to tabulate and store pattern data constituting rules, the method comprising:

(a) dividing a whole sentence of the pattern data into a plurality of divided parts having a defined length or less;

(b) extracting position sequence information which is the subsequent position information of each divided part in the whole sentence of the pattern data; and of each divided part of the pattern data;

(c) assigning a characteristic packet ID which has the position sequence information of the next divided part in the whole sentence of the pattern data to each divided part of the pattern data, and tabulating and storing a plurality of divided parts and the position sequence information in a table information the divided parts of the pattern data and the position sequence information of each of the divided parts of the pattern data; and

(d) using the pattern data stored in the table as a look-up device for a specific pattern in a database.

2. (Cancelled)

3. (Currently Amended) The high-speed pattern storing method as claimed in claim 1, wherein the pattern data includes space information which represents that other words or characters can be interposed between two words using meta characters.

~~which is used to process meta-characters.~~

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) The high-speed pattern storing method as claimed in claim 1, wherein
~~if the divided part is the last divided part in the whole sentence of the pattern data, a characteristic packet ID of the last divided part has the information of its position.~~

~~in the step (c), information representing that the pattern data is the pattern data of a last sequence is included in the position sequence information when the divided part of the pattern data is at a last position.~~

8. (Previously Presented) The high-speed pattern storing method as claimed in claim 1, wherein the pattern data are stored in a hash table, and a hash value of each divided part of the pattern data, and sequence information of the divided part of the pattern data are stored.

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)